

Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) An apparatus sensing unauthorized use of an electronic security device, the apparatus comprising a host device with a housing having an opening forming a port configured to receive the electronic security device, the port forming a limited passage into the housing for passage of the electronic security device; and a port detector for sensing radiation emitted from unauthorized modification of the electronic security device, the port detector controlling or preventing operation of the apparatus based upon detection of said unauthorized modification, wherein

the unauthorized modification includes coupling to the electronic security device conductors extending through the port and wherein the port detector has a loop antenna encompassing the opening forming the port, the loop antenna being responsive to time varying currents passing along the conductors.

2. (Previously Presented) The apparatus set forth in claim 1, wherein the port detector detects electromagnetic radiation occurring at the port having a prescribed frequency.

3. (Previously Presented) The apparatus set forth in claim 1, wherein the apparatus is operable to apply a time varying signal to the electronic security device, which time varying signal is detected by the port detector at the loop antenna as a signature signal and wherein the port detector is responsive to variations in capacitance that are identifiable from the signature signal and indicate presence of said conductor.

4. (Previously Presented) The apparatus set forth in claim 1, wherein the electronic security device emits a time varying signal detected by the port detector as a signature signal at the loop antenna, and wherein the port detector is responsive to variations in a capacitance of the electronic security device that are identifiable from the signature signal.

5. (Previously Presented) The apparatus set forth in claim 1, wherein the electronic security device is a smart card.

6. (Previously Presented) A method of determining unauthorized use of an electronic security device wherein the electronic security device is used in an apparatus having a housing that is substantially closed but for an opening defining a port for receiving the electronic security device and the unauthorized use includes coupling conductors to the electronic security device, the conductors extending along a path through the port wherein:

a loop antenna is placed at the opening defining the port, encompassing the path of any said conductors; and,

radiation received at the loop antenna is monitored to detect unauthorized use of the electronic security device by providing a time varying current in the conductors and detecting a resulting signature at the loop antenna, and determining that the electronic security device has a capacitance detected by a signature signal at the loop antenna indicating presence of the conductors.

7. (Previously Presented) The method set forth in claim 6, further comprising at least limiting transfer of information between the electronic security device and the host device upon detection of said unauthorized use.

8. (Previously Presented) The method set forth in claim 6, wherein the electronic security device is a smart card.